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ABSTRACT

This monograph is a computer printout which presents a study in which patterns of conflict among nations were analyzed according to social field theory. This theory maintains that international relations is a field which consists of all the attributes and interactions of nations, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. The monograph is part of a large scale research project undertaken to test various theories (attribute theory, distance theory, and relative status-field theory, in addition to social field theory) with regard to their ability to analyze international relations. All theories are tested on the World Event Interaction Survey (WEIS) conflict data for 1966 to 1969, which was created using the "New York Times" as a data source. In this monograph, second stage factor analysis is applied to the parameter weights for conflictual behavior among more than 100 nations (and over 16,000 dyadic relationships) using social field theory. All of the independent variables treated (economic development, population density, political stability, military power, health conditions, domestic violence, etc.) are factors--that is, composite indexes generated out of a number of related variables, using the technique of factor analysis. When social field theory is applied, each nation receives a negative or positive parameter weight on each predictive factor. The objective is to determine whether behavioral tendencies toward conflict tend to cluster. For example, if a nation tends to export conflict to other nations close below it in respect to non-competetive political systems, does it also tend to do so in respect to population density? In addition to computer printout, the document includes a bibliography and a table of contens of all monographs in the research study. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

PATTERNS OF CONFLICT: SOCIAL FIELD THEORY

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TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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Attributes and National Behavior:

Modern International Relations Monograph Series

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PATTERNS OF CONFLICT: SOCIAL FIELD THEORY

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THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS IN TERMS OF SIMILARITY OF MODEL AND ATTRIBUTE TYPE.

THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A FACTOR ANALYSIS ON THE WEIGHTS OF THE NATIONS ACROSS THE PREDICTOR DIMENSIONS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE FACTOR SCORES GENERATED FROM THE ANALYSIS OF THE WEIGHTS.

THESE MODES OF ANALYSIS WILL SHOW HOW CONFLICT EXPORT PATTERNS CLUSTER, HOW NATIONS ARE, IN FACT, LOCATED ON SUCH CLUSTERS AND REVEAL CHARACTERISTICS OF + VS. - WEIGHT NATIONS.

THE RESULTS FOLLOW:

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SOCIAL FIELD THEORY, CONFLICT

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

19 FEW EXECUTIVE ADJUSTMENTS,BELOW
.52

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE,ABOVE
-.61

08 RECENT NATIONAL INDEPENDENCE,ABOVE
-.67

04 NON-COMPETITIVE POLITICAL SYSTEM,ABOVE
-.78

THESE I'S ARE:

VARIABLE NUMBER 1

22 CONGO (BRA)
2.79

109 VENEZUELA
2.68

7 BELGIUM

2.43

16 CENTRAL AFRICAN REP

2.22

84 PORTUGAL

2.02

106 UNITED STATES

2.01

39 GHANA

1.84

8 BOLIVIA

1.81

6 AUSTRIA

1.62

118 MALAWI

1.44

60 LAOS

1.42

2 ALBANIA

1.35

113 YUGOSLAVIA

1.31

59 SOUTH KOREA

1.26

85 ROMANIA

1.24

38 WEST GERMANY

1.13

83 POLAND

1.08

73 NEW ZEALAND

.97

27 CZECHOSLOVAKIA

.90

37 EAST GERMANY

.89

108 URUGUAY

.87

30 DOMINICAN REPUBLIC

.83

122 KENYA

.83

105 UNITED KINGDOM

.82

19 CHILE

.71

111 SOUTH VIETNAM

.65

53 ITALY

.60

36 GABON

.53

57 JORDAN

.51

54 IVORY COAST

.49

98 TOGO

.46

28 DAHOMEY

.46

35 FRANCE

.43

69 MONGOLIA

.43

11 BURMA

.37

95 SWITZERLAND

.34

97 THAILAND

.31

103 U.S.S.R

.31

20 CHINA, PR

.28

104 U.A.R.

.27

33 ETHIOPIA

.22

61 LEBANON

.20

96 SYRIA

.16

9 BRAZIL

.15

56 JAPAN

.13

77 NORWAY

.12

15 CANADA

.06

91 SOUTH AFRICA

.04

THEY TEND TO HAVE THE CHARACTERISTICS OF:
NON-COMPETITIVE POLITICAL SYSTEM

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

19 FEW EXECUTIVE ADJUSTMENTS,ABOVE

.52

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE,BELOW

-.61

08 RECENT NATIONAL INDEPENDENCE,BELOW

-.67

04 NON-COMPETITIVE POLITICAL SYSTEM,BELOW

-.78

THESE I'S ARE:

45 HUNGARY

-.01

124 SINGAPORE

-.01

10 BULGARIA

-.01

68 MEXICO

-.05

42 GUINEA

-.05

48 INDONESIA

-.07

4 ARGENTINA

-.14

82 PHILIPPINES

-.14

70 MOROCCO

-.15

25 CUBA

-.18

47 INDIA

-.18

72 NETHERLANDS

-.21

29 DENMARK

-.21

126 MALAYSIA

-.22

13 CAMBODIA

-.22

94 SWEDEN

-.27

49 IRAN

-.27

120 TANZANIA

-.28

110 NORTH VIETNAM

-.30

81 PERU

-.39

31 ECUADOR

-.40

52 ISRAEL

-.41

58 NORTH KOREA

-.41

87 SAUDI ARABIA

-.41

12 BURUNDI

-.45

34 FINLAND

-.45

67 MAURITANIA

-.46

23 CONGO (LEO)

-.46

74 NICARAGUA

-.48

18 CHAD

-.50

3 ALGERIA

-.55

112 YEMEN

-.55

116 KUWAIT

-.57

101 TURKEY

-.61

21 COLOMBIA

-.63

41 GUATEMALA

-.66

63 LIBYA
-.73
92 SPAIN
-.73
50 IRAQ
-.75
5 AUSTRALIA
-.79
125 GUYANA
-.80
78 PAKISTAN
-.81
71 NEPAL
-.90
100 TUNISIA
-.92
93 SUDAN
-.95
40 GREECE
-1.01
26 CYPRUS
-1.03
32 EL SALVADOR
-1.06
17 CEYLON
-1.08

76 NIGERIA

-1.08

121 ZAMBIA

-1.11

102 UGANDA

-1.17

43 HAITI

-1.18

51 IRELAND

-1.20

89 SIERRA LEONE

-1.28

115 GAMBIA

-1.31

119 MALTA

-1.31

99 TRINIDAD

-1.31

55 JAMAICA

-1.33

44 HONDURAS

-1.39

90 SOMALIA

-1.60

79 PANAMA

-1.64

80 PARAGUAY

-1.88

24 COSTA RICA

-2.32

THEY TEND TO HAVE THE CHARACTERISTICS OF:

COMPETITIVE POLITICAL SYSTEM

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

22 NEW CURRENCY,ABOVE

-.73

07 SMALL CHRISTIAN COMMUNITY,ABOVE

-.77

12 LARGE GNP GROWTH RATE,ABOVE

-.80

THESE I'S ARE:

VARIABLE NUMBER 2

26 CYPRUS

2.97

57 JORDAN

2.46

54 IVORY COAST

2.32

61 LEBANON

2.26

104 U.A.R.

2.19

52 ISRAEL

2.18

96 SYRIA

2.14

87 SAUDI ARABIA

2.03

85 ROMANIA

1.61

95 SWITZERLAND

1.53

113 YUGOSLAVIA

1.39

53 ITALY

1.31

100 TUNISIA

1.26

50 IRAQ

1.10

2 ALBANIA

1.06

33 ETHIOPIA

1.04

78 PAKISTAN

1.03

102 UGANDA

.99

98 TOGO

.91

36 GABON

.88

38 WEST GERMANY

.76

6 AUSTRIA

.72

22 CONGO (BRA)

.70

27 CZECHOSLOVAKIA

.70

5 AUSTRALIA

.69

39 GHANA

.67

71 NEPAL

.65

20 CHINA, PR

.63

116 KUWAIT

.62

10 BULGARIA

.55

106 UNITED STATES

.51

49 IRAN

.38

122 KENYA

.37

101 TURKEY

.34

29 DENMARK

.33

90 SOMALIA

.24

73 NEW ZEALAND

.24

37 EAST GERMANY

.23

9 BRAZIL

.21

35 FRANCE

.21

105 UNITED KINGDOM

.19

83 POLAND

.17

118 MALAWI

.16

108 URUGUAY

.12

80 PARAGUAY

.10

40 GREECE

.09

70 MOROCCO

.02

24 COSTA RICA

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY

LARGE GNP GROWTH RATE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

22 NEW CURRENCY,BELOW

-.73

07 SMALL CHRISTIAN COMMUNITY,BELOW

-.77

12 LARGE GNP GROWTH RATE,BELOW

-.80

THESE I'S ARE:

93 SUDAN

-.05

58 NORTH KOREA

-.06

77 NORWAY

-.07

18 CHAD

-.08

51 IRELAND

-.10

125 GUYANA

-.12

63 LIBYA

-.13

126 MALAYSIA

-.13

119 MALTA

-.14

55 JAMAICA

-.15

15 CANADA

-.15

89 SIERRA LEONE

-.16

99 TRINIDAD

-.16

3 ALGERIA

-.17

112 YEMEN

-.18

115 GAMBIA

-.18

59 SOUTH KOREA

-.18

97 THAILAND

-.21

4 ARGENTINA

-.22

91 SOUTH AFRICA

-.22

120 TANZANIA

-.25

121 ZAMBIA

-.26

72 NETHERLANDS

-.34

79 PANAMA

-.40

94 SWEDEN

-.43

43 HAITI

-.45

82 PHILIPPINES

-.47

45 HUNGARY

-.48

56 JAPAN

-.52

47 INDIA

-.55

76 NIGERIA

-.58

17 CEYLON

-.58

92 SPAIN

-.60

103 U.S.S.R

-.69

44 HONDURAS

-.72

84 PORTUGAL
-.75
11 BURMA
-.79
81 PERU
-.79
28 DAHOMEY
-.80
48 INDONESIA
-.84
69 MONGOLIA
-.85
25 CUBA
-.86
23 CONGO (LEO)
-.89
41 GUATEMALA
-.97
60 LAOS
-.98
74 NICARAGUA
-.99
34 FINLAND
-1.00
67 MAURITANIA
-1.00

110 NORTH VIETNAM
-1.01
12 BURUNDI
-1.02
13 CAMBODIA
-1.03
124 SINGAPORE
-1.07
21 COLOMBIA
-1.08
30 DOMINICAN REPUBLIC
-1.09
42 GUINEA
-1.11
31 ECUADOR
-1.20
7 BELGIUM
-1.22
68 MEXICO
-1.37
16 CENTRAL AFRICAN REP
-1.38
111 SOUTH VIETNAM
-1.40
19 CHILE
-1.79

109 VENEZUELA
-1.84
32 EL SALVADOR
-1.93
8 BOLIVIA
-2.02

THEY TEND TO HAVE THE CHARACTERISTICS OF:
LARGE CHRISTIAN COMMUNITIES
SMALL GNP GROWTH RATE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

01 ECONOMIC DEVELOPMENT,BELOW
.76
21 LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION,BELOW
.52
11 FEW MILITARY PERSONNEL PER CAPITA,ABOVE
-.77

THESE I'S ARE:

VARIABLE NUMBER 3

36 GABON

3.77

98 TOGO

3.74

126 MALAYSIA

3.72

16 CENTRAL AFRICAN REP

2.63

18 CHAD

2.53

71 NEPAL

2.44

78 PAKISTAN

2.26

7 BELGIUM

2.09

80 PARAGUAY

1.70

102 UGANDA

1.28

24 COSTA RICA

1.15

54 IVORY COAST

1.14

84 PORTUGAL

1.01

11 BURMA

.68

28 DAHOMEY

.64

44 HONDURAS

.64

47 INDIA

.58

69 MONGOLIA

.56

26 CYPRUS

.54

125 GUYANA

.53

6 AUSTRIA

.53

58 NORTH KOREA

.48

22 CONGO (BRA)

.41

124 SINGAPORE

.38

32 EL SALVADOR

.38

48 INDONESIA

.37

90 SOMALIA

.28

70 MOROCCO

.25

23 CONGO (LEO)

.17

20 CHINA, PR

.08

5 AUSTRALIA

.07

85 ROMANIA

.07

2 ALBANIA

.04

59 SOUTH KOREA

.03

87 SAUDI ARABIA

.03

21 COLOMBIA

.02

79 PANAMA

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT

SMALL POWER BASE

FEW EXECUTIVE ADJUSTMENTS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

01 ECONOMIC DEVELOPMENT,ABOVE
.76

21 LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION,ABOVE
.52

11 FEW MILITARY PERSONNEL PER CAPITA,BELOW
-.77

THESE I'S ARE:

108 URUGUAY
-.00

97 THAILAND
-.01

37 EAST GERMANY
-.01

60 LAOS
-.04

68 MEXICO

-.05

25 CUBA

-.11

42 GUINEA

-.11

39 GHANA

-.12

77 NORWAY

-.12

74 NICARAGUA

-.13

67 MAURITANIA

-.13

34 FINLAND

-.14

122 KENYA

-.15

12 BURUNDI

-.16

81 PERU

-.16

72 NETHERLANDS

-.16

9 BRAZIL

-.18

113 YUGOSLAVIA

-.19

27 CZECHOSLOVAKIA

-.23

76 NIGERIA

-.24

41 GUATEMALA

-.25

31 ECUADOR

-.25

56 JAPAN

-.26

105 UNITED KINGDOM

-.26

103 U.S.S.R

-.30

93 SUDAN

-.31

110 NORTH VIETNAM

-.34

120 TANZANIA

-.35

13 CAMBODIA

-.36

91 SOUTH AFRICA

-.36

82 PHILIPPINES

-.37

17 CEYLON

-.38

38 WEST GERMANY

-.38

115 GAMBIA

-.39

55 JAMAICA

-.40

89 SIERRA LEONE

-.40

99 TRINIDAD

-.40

15 CANADA

-.41

119 MALTA

-.42

4 ARGENTINA

-.43

112 YEMEN

-.43

51 IRELAND

-.43

111 SOUTH VIETNAM

-.44

94 SWEDEN

-.44

43 HAITI

-.44

30 DOMINICAN REPUBLIC

-.46

10 BULGARIA

-.50

83 POLAND

-.52

92 SPAIN

-.52

57 JORDAN

-.52

100 TUNISIA

-.53

45 HUNGARY

-.56

118 MALAWI

-.60

106 UNITED STATES

-.62

49 IRAN

-.63

121 ZAMBIA

-.63

53 ITALY

-.65

101 TURKEY

-.66

29 DENMARK

-.66

19 CHILE

-.76

50 IRAQ

-.80

73 NEW ZEALAND

-.82

3 ALGERIA

-.89

35 FRANCE

-.90

61 LEBANON

-.97

40 GREECE

-.97

52 ISRAEL

-.99

104 U.A.R.

-1.03

116 KUWAIT

-1.09

96 SYRIA

-1.15

63 LIBYA

-1.16

109 VENEZUELA

-1.24

33 ETHIOPIA

-1.37

95 SWITZERLAND

-1.45

8 BOLIVIA

-1.98

THEY TEND TO HAVE THE CHARACTERISTICS OF:
HIGH ECONOMIC DEVELOPMENT
LARGE POWER BASE
MANY EXECUTIVE ADJUSTMENTS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

03 POLITICAL INSTABILITY,BELOW

.87

17 MANY ELECTIONS,BELOW

.51

20 LOW CRUDE DEATH RATE,ABOVE
-.56

THESE I'S ARE:

VARIABLE NUMBER 4

23 CONGO (LEO)
2.60
11 BURMA
2.27
28 DAHOMEY
2.25
69 MONGOLIA
2.16
90 SOMALIA
2.13
48 INDONESIA
2.11
32 EL SALVADOR
2.08
44 HONDURAS
1.67
70 MOROCCO
1.59
80 PARAGUAY

1.52

54 IVORY COAST

1.50

57 JORDAN

1.39

37 EAST GERMANY

1.38

8 BOLIVIA

1.28

72 NETHERLANDS

1.19

97 THAILAND

1.17

104 U.A.R.

1.14

96 SYRIA

1.13

24 COSTA RICA

1.01

39 GHANA

1.00

61 LEBANON

.99

47 INDIA

.94

10 BULGARIA

.92

105 UNITED KINGDOM

.90

6 AUSTRIA

.83

124 SINGAPORE

.77

33 ETHIOPIA

.72

59 SOUTH KOREA

.69

103 U.S.S.R

.67

73 NEW ZEALAND

.60

109 VENEZUELA

.60

101 TURKEY

.53

83 POLAND

.50

78 PAKISTAN

.48

71 NEPAL

.47

95 SWITZERLAND

.34

125 GUYANA

.28

5 AUSTRALIA

.26

93 SUDAN

.17

49 IRAN

.16

60 LAOS

.16

82 PHILIPPINES

.15

126 MALAYSIA

.15

79 PANAMA

.14

45 HUNGARY

.12

58 NORTH KOREA

.09

THEY TEND TO HAVE THE CHARACTERISTICS OF:

NO SIGNIFICANT FACTORS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH

CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

03 POLITICAL INSTABILITY,ABOVE
.87
17 MANY ELECTIONS,ABOVE
.51
20 LOW CRUDE DEATH RATE,BELOW
-.56

THESE I'S ARE:

30 DOMINICAN REPUBLIC
-.01
116 KUWAIT
-.04
68 MEXICO
-.06
19 CHILE
-.06
63 LIBYA
-.08
108 URUGUAY
-.08
113 YUGOSLAVIA

-.08

122 KENYA

-.16

76 NIGERIA

-.21

50 IRAQ

-.22

25 CUBA

-.28

4 ARGENTINA

-.31

15 CANADA

-.31

111 SOUTH VIETNAM

-.33

106 UNITED STATES

-.35

22 CONGO (BRA)

-.36

53 ITALY

-.40

3 ALGERIA

-.40

27 CZECHOSLOVAKIA

-.41

21 COLOMBIA

-.41

16 CENTRAL AFRICAN REP

-.43

56 JAPAN

-.48

38 WEST GERMANY

-.48

35 FRANCE

-.49

40 GREECE

-.56

26 CYPRUS

-.58

51 IRELAND

-.60

31 ECUADOR

-.60

74 NICARAGUA

-.61

12 BURUNDI

-.61

98 TOGO

-.62

85 ROMANIA

-.63

34 FINLAND

-.63

67 MAURITANIA

-.63

42 GUINEA

-.64

52 ISRAEL

-.65

81 PERU

-.65

36 GABON

-.70

110 NORTH VIETNAM

-.71

41 GUATEMALA

-.71

29 DENMARK

-.74

94 SWEDEN

-.75

121 ZAMBIA

-.75

13 CAMBODIA

-.76

9 BRAZIL

-.80

20 CHINA, PR

-.80

118 MALAWI

-.80

55 JAMAICA

-.86

99 TRINIDAD

-.86

17 CEYLON

-.88

89 SIERRA LEONE

-.88

119 MALTA

-.89

77 NORWAY

-.91

115 GAMBIA

-.92

43 HAITI

-.93

92 SPAIN

-.96

2 ALBANIA

-.96

120 TANZANIA

-1.01

18 CHAD

-1.20

102 UGANDA

-1.23

112 YEMEN

-1.25

100 TUNISIA

-1.29

91 SOUTH AFRICA

-1.41

87 SAUDI ARABIA

-1.80

7 BELGIUM

-2.46

84 PORTUGAL

-2.51

THEY TEND TO HAVE THE CHARACTERISTICS OF:

NO SIGNIFICANT FACTORS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

16 HIGH ENERGY PRODUCTION,BELOW

.83

02 POWER BASE,BELOW

.73

THESE I'S ARE:

VARIABLE NUMBER 5

32 EL SALVADOR

3.30

109 VENEZUELA

2.67

44 HONDURAS

2.38

30 DOMINICAN REPUBLIC

2.36

80 PARAGUAY

2.07

8 BOLIVIA

1.92

84 PORTUGAL

1.78

118 MALAWI

1.73

57 JORDAN

1.61

7 BELGIUM

1.51

33 ETHIOPIA

1.47

18 CHAD

1.43

24 COSTA RICA

1.34

96 SYRIA

1.31

104 U.A.R.

1.27

23 CONGO (LEO)

1.25

61 LEBANON

1.20

52 ISRAEL

1.19

19 CHILE

1.14

79 PANAMA

.89

16 CENTRAL AFRICAN REP

.88

54 IVORY COAST

.80

49 IRAN

.77

125 GUYANA

.66

98 TOGO

.58

36 GABON

.57

22 CONGO (BRA)

.57

93 SUDAN

.55

108 URUGUAY

.45

87 SAUDI ARABIA

.41

116 KUWAIT

.28

63 LIBYA

.25

4 ARGENTINA

.25

76 NIGERIA

.24

95 SWITZERLAND

.22

101 TURKEY

.22

70 MOROCCO

.19

42 GUINEA

.18

3 ALGERIA

.11

121 ZAMBIA

.10

31 ECUADOR

.10

90 SOMALIA

.02

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL POWER BASE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

16 HIGH ENERGY PRODUCTION,ABOVE

.83

02 POWER BASE,ABOVE

.73

THESE I'S ARE:

26 CYPRUS
-.00
85 ROMANIA
-.05
89 SIERRA LEONE
-.07
40 GREECE
-.08
99 TRINIDAD
-.08
55 JAMAICA
-.09
51 IRELAND
-.10
115 GAMBIA
-.11
12 BURUNDI
-.11
119 MALTA
-.11
34 FINLAND
-.12
67 MAURITANIA

-.14

74 NICARAGUA

-.14

94 SWEDEN

-.16

41 GUATEMALA

-.17

50 IRAQ

-.18

81 PERU

-.19

21 COLOMBIA

-.20

37 EAST GERMANY

-.21

43 HAITI

-.21

92 SPAIN

-.21

100 TUNISIA

-.24

110 NORTH VIETNAM

-.24

13 CAMBODIA

-.24

35 FRANCE

-.25

17 CEYLON

-.25

112 YEMEN

-.25

29 DENMARK

-.27

102 UGANDA

-.28

77 NORWAY

-.30

39 GHANA

-.30

126 MALAYSIA

-.32

9 BRAZIL

-.34

113 YUGOSLAVIA

-.36

53 ITALY

-.37

120 TANZANIA

-.45

68 MEXICO

-.46

15 CANADA

-.47

91 SOUTH AFRICA

-.55

38 WEST GERMANY

-.55

2 ALBANIA

-.55

25 CUBA

-.59

59 SOUTH KOREA

-.59

27 CZECHOSLOVAKIA

-.60

5 AUSTRALIA

-.61

83 POLAND

-.80

82 PHILIPPINES

-.81

56 JAPAN

-.82

20 CHINA, PR

-.82

60 LAOS

-.82

45 HUNGARY

-.84

10 BULGARIA

-.94

105 UNITED KINGDOM

-1.00

6 AUSTRIA

-1.03

58 NORTH KOREA

-1.09

103 U.S.S.R

-1.13

78 PAKISTAN

-1.17

111 SOUTH VIETNAM

-1.19

72 NETHERLANDS

-1.28

124 SINGAPORE

-1.28

106 UNITED STATES

-1.28

11 BURMA

-1.33

71 NEPAL

-1.33

28 DAHOMEY

-1.33

69 MONGOLIA

-1.37

122 KENYA

-1.43

73 NEW ZEALAND

-1.49

48 INDONESIA

-1.73

47 INDIA

-1.76

97 THAILAND

-2.00

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LARGE POWER BASE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

09 LITTLE DOMESTIC VIOLENCE,BELOW

.88

17 MANY ELECTIONS,BELOW

.52

THESE I'S ARE:

VARIABLE NUMBER 6

104 U.A.R.
2.19
96 SYRIA
2.06
95 SWITZERLAND
2.06
61 LEBANON
1.96
57 JORDAN
1.88
101 TURKEY
1.31
116 KUWAIT
1.21
50 IRAQ
1.21
124 SINGAPORE
1.17
7 BELGIUM
1.16
126 MALAYSIA

1.16

78 PAKISTAN

.97

71 NEPAL

.91

63 LIBYA

.90

35 FRANCE

.90

103 U.S.S.R

.88

16 CENTRAL AFRICAN REP

.86

84 PORTUGAL

.85

36 GABON

.82

3 ALGERIA

.82

37 EAST GERMANY

.80

98 TOGO

.80

42 GUINEA

.72

68 MEXICO

.68

18 CHAD

.62

19 CHILE

.60

72 NETHERLANDS

.59

45 HUNGARY

.58

4 ARGENTINA

.58

8 BOLIVIA

.56

93 SUDAN

.55

109 VENEZUELA

.55

25 CUBA

.53

47 INDIA

.49

102 UGANDA

.46

10 BULGARIA

.46

76 NIGERIA

.43

69 MONGOLIA

.42

56 JAPAN

.42

31 ECUADOR

.42

110 NORTH VIETNAM

.40

83 POLAND

.40

105 UNITED KINGDOM

.38

34 FINLAND

.37

28 DAHOMEY

.36

12 BURUNDI

.36

11 BURMA

.36

13 CAMBODIA

.35

74 NICARAGUA

.35

81 PERU

.32

67 MAURITANIA

.32

58 NORTH KOREA

.32

48 INDONESIA

.31

41 GUATEMALA

.30

24 COSTA RICA

.28

20 CHINA, PR

.22

21 COLOMBIA

.21

94 SWEDEN

.15

77 NORWAY

.09

73 NEW ZEALAND

.08

33 ETHIOPIA

.06

15 CANADA

.02

THEY TEND TO HAVE THE CHARACTERISTICS OF:
NO SIGNIFICANT FACTORS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

09 LITTLE DOMESTIC VIOLENCE,ABOVE
.88
17 MANY ELECTIONS,ABOVE
.52

THESE I'S ARE:

27 CZECHOSLOVAKIA
-.01
92 SPAIN
-.02
49 IRAN
-.03
17 CEYLON
-.04
120 TANZANIA
-.09
51 IRELAND

-.09

91 SOUTH AFRICA

-.10

125 GUYANA

-.10

30 DOMINICAN REPUBLIC

-.13

43 HAITI

-.13

9 BRAZIL

-.16

108 URUGUAY

-.31

122 KENYA

-.31

112 YEMEN

-.32

53 ITALY

-.38

89 SIERRA LEONE

-.39

121 ZAMBIA

-.39

55 JAMAICA

-.40

119 MALTA

-.40

99 TRINIDAD

-.40

115 GAMBIA

-.42

38 WEST GERMANY

-.49

6 AUSTRIA

-.53

40 GREECE

-.53

79 PANAMA

-.54

52 ISRAEL

-.56

85 ROMANIA

-.64

39 GHANA

-.67

23 CONGO (LEO)

-.69

82 PHILIPPINES

-.73

70 MOROCCO

-.73

5 AUSTRALIA

-.74

29 DENMARK

-.75

113 YUGOSLAVIA

-.92

100 TUNISIA

-.93

90 SOMALIA

-1.00

2 ALBANIA

-1.05

54 IVORY COAST

-1.13

32 EL SALVADOR

-1.55

111 SOUTH VIETNAM

-1.58

118 MALAWI

-1.83

26 CYPRUS

-1.92

22 CONGO (BRA)

-1.96

106 UNITED STATES

-2.02

97 THAILAND

-2.05

87 SAUDI ARABIA

-2.07

59 SOUTH KOREA

-2.15

80 PARAGUAY

-2.39

60 LAOS

-2.86

44 HONDURAS

-2.96

THEY TEND TO HAVE THE CHARACTERISTICS OF:

NO SIGNIFICANT FACTORS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

06 SMALL POPULATION DENSITY, BELOW

.68

10 LARGE GNP GROWTH RATE AT FIXED PRICES, ABOVE

-.80

THESE I'S ARE:

VARIABLE NUMBER 7

51 IRELAND
2.05
55 JAMAICA
1.92
89 SIERRA LEONE
1.92
115 GAMBIA
1.91
99 TRINIDAD
1.90
60 LAOS
1.89
119 MALTA
1.86
59 SOUTH KOREA
1.78
97 THAILAND
1.50
28 DAHOMEY
1.31
11 BURMA
1.28

52 ISRAEL
1.21
100 TUNISIA
1.20
69 MONGOLIA
1.19
121 ZAMBIA
1.18
43 HAITI
1.16
37 EAST GERMANY
1.13
57 JORDAN
1.07
96 SYRIA
1.05
106 UNITED STATES
1.00
104 U.A.R.
.99
8 BOLIVIA
.98
87 SAUDI ARABIA
.92
44 HONDURAS
.91

109 VENEZUELA

.85

16 CENTRAL AFRICAN REP

.83

95 SWITZERLAND

.78

17 CEYLON

.77

48 INDONESIA

.72

111 SOUTH VIETNAM

.70

102 UGANDA

.66

47 INDIA

.63

92 SPAIN

.60

18 CHAD

.56

61 LEBANON

.52

124 SINGAPORE

.48

30 DOMINICAN REPUBLIC

.48

40 GREECE
.45
50 IRAQ
.43
78 PAKISTAN
.40
84 PORTUGAL
.40
3 ALGERIA
.40
7 BELGIUM
.39
33 ETHIOPIA
.38
126 MALAYSIA
.32
125 GUYANA
.30
118 MALAWI
.27
36 GABON
.26
91 SOUTH AFRICA
.26
98 TOGO
.25

122 KENYA

.24

39 GHANA

.21

71 NEPAL

.21

116 KUWAIT

.20

49 IRAN

.17

73 NEW ZEALAND

.10

58 NORTH KOREA

.09

103 U.S.S.R

.04

63 LIBYA

.03

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LOW POWER BASE

LARGE POPULATION DENSITY

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

06 SMALL POPULATION DENSITY, ABOVE
.68
10 LARGE GNP GROWTH RATE AT FIXED PRICES, BELOW
-.80

THESE I'S ARE:

35 FRANCE
-.03
120 TANZANIA
-.15
112 YEMEN
-.22
72 NETHERLANDS
-.22
68 MEXICO
-.24
93 SUDAN
-.28
6 AUSTRIA
-.31
13 CAMBODIA
-.39
41 GUATEMALA
-.42

110 NORTH VIETNAM

-.44

105 UNITED KINGDOM

-.46

56 JAPAN

-.46

23 CONGO (LEO)

-.51

45 HUNGARY

-.54

20 CHINA, PR

-.54

80 PARAGUAY

-.54

27 CZECHOSLOVAKIA

-.66

83 POLAND

-.68

42 GUINEA

-.71

54 IVORY COAST

-.73

31 ECUADOR

-.74

25 CUBA

-.76

12 BURUNDI
-.79
34 FINLAND
-.82
22 CONGO (BRA)
-.83
67 MAURITANIA
-.84
26 CYPRUS
-.85
24 COSTA RICA
-.86
74 NICARAGUA
-.87
94 SWEDEN
-.94
32 EL SALVADOR
-.95
76 NIGERIA
-.98
81 PERU
-.98
85 ROMANIA
-1.00
21 COLOMBIA
-1.06

77 NORWAY
-1.15
19 CHILE
-1.16
15 CANADA
-1.18
2 ALBANIA
-1.18
82 PHILIPPINES
-1.22
29 DENMARK
-1.22
38 WEST GERMANY
-1.28
79 PANAMA
-1.38
9 BRAZIL
-1.38
113 YUGOSLAVIA
-1.40
4 ARGENTINA
-1.42
70 MOROCCO
-1.57
101 TURKEY
-1.58

10 BULGARIA

-1.58

53 ITALY

-1.58

5 AUSTRALIA

-1.66

108 URUGUAY

-1.90

90 SOMALIA

-2.03

THEY TEND TO HAVE THE CHARACTERISTICS OF:

HIGH POWER BASE

SMALL POPULATION DENSITY

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 8

15 HIGH PER CAPITA INTERNAL SECURITY FORCE, BELOW

.82

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP, BELOW

.73

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE, ABOVE

-.56

THESE I'S ARE:

VARIABLE NUMBER 8

80 PARAGUAY
2.21
39 GHANA
2.08
102 UGANDA
1.80
18 CHAD
1.78
85 ROMANIA
1.70
6 AUSTRIA
1.67
54 IVORY COAST
1.51
125 GUYANA
1.44
27 CZECHOSLOVAKIA
1.37
93 SUDAN
1.35
113 YUGOSLAVIA

1.20

11 BURMA

1.13

28 DAHOMEY

1.12

69 MONGOLIA

1.11

2 ALBANIA

1.07

79 PANAMA

1.04

109 VENEZUELA

.94

32 EL SALVADOR

.92

20 CHINA, PR

.91

122 KENYA

.89

9 BRAZIL

.81

48 INDONESIA

.73

108 URUGUAY

.71

77 NORWAY

.65

105 UNITED KINGDOM

.65

38 WEST GERMANY

.63

120 TANZANIA

.63

22 CONGO (BRA)

.58

89 SIERRA LEONE

.55

99 TRINIDAD

.55

55 JAMAICA

.54

124 SINGAPORE

.54

115 GAMBIA

.53

119 MALTA

.53

47 INDIA

.49

100 TUNISIA

.47

8 BOLIVIA

.46

53 ITALY

.45

19 CHILE

.42

26 CYPRUS

.41

43 HAITI

.40

16 CENTRAL AFRICAN REP

.38

51 IRELAND

.35

35 FRANCE

.35

25 CUBA

.30

103 U.S.S.R

.27

17 CEYLON

.27

24 COSTA RICA

.26

50 IRAQ

.23

91 SOUTH AFRICA

.12

56 JAPAN

.12

94 SWEDEN

.10

49 IRAN

.10

121 ZAMBIA

.08

92 SPAIN

.07

45 HUNGARY

.05

30 DOMINICAN REPUBLIC

.02

76 NIGERIA

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF:

FEW MILITARY PERSONNEL PER CAPITA

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 8

15 HIGH PER CAPITA INTERNAL SECURITY FORCE, ABOVE

.82

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP, ABOVE

.73

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE, BELOW

-.56

THESE I'S ARE:

44 HONDURAS

-.01

97 THAILAND

-.02

41 GUATEMALA

-.07

40 GREECE

-.10

95 SWITZERLAND

-.10

112 YEMEN

-.12

81 PERU

-.15

68 MEXICO

-.16

82 PHILIPPINES

-.17

72 NETHERLANDS

-.18

15 CANADA

-.19

12 BURUNDI

-.25

34 FINLAND

-.25

74 NICARAGUA

-.26

67 MAURITANIA

-.26

31 ECUADOR

-.27

73 NEW ZEALAND

-.27

4 ARGENTINA

-.30

101 TURKEY

-.30

42 GUINEA

-.32

83 POLAND

-.33

21 COLOMBIA

-.34

61 LEBANON

-.40

116 KUWAIT

-.45

110 NORTH VIETNAM

-.48

104 U.A.R.

-.48

106 UNITED STATES

-.56

57 JORDAN

-.59

96 SYRIA

-.59

87 SAUDI ARABIA

-.60

7 BELGIUM

-.64

23 CONGO (LEO)

-.67

37 EAST GERMANY

-.68

84 PORTUGAL

-.70

63 LIBYA

-.70

3 ALGERIA

-.73

10 BULGARIA

-.81

13 CAMBODIA

-.87

98 TOGO

-.88

36 GABON

-.90

29 DENMARK

-.99

52 ISRAEL

-1.08

58 NORTH KOREA

-1.31

71 NEPAL

-1.53

111 SOUTH VIETNAM

-1.55

33 ETHIOPIA

-1.60

126 MALAYSIA

-1.64

78 PAKISTAN

-1.65

59 SOUTH KOREA

-1.81

90 SOMALIA

-1.83

5 AUSTRALIA

-1.90

60 LAOS

-2.28

118 MALAWI

-3.09

70 MOROCCO

-3.67

THEY TEND TO HAVE THE CHARACTERISTICS OF:

MANY MILITARY PERSONNEL PER CAPITA

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 9

05 SMALL POPULATION GROWTH RATE, BELOW

.81

14 HIGH PER CAPITA SCHOOL ENROLLMENT, ABOVE

-.74

THESE I'S ARE:

VARIABLE NUMBER 9

59 SOUTH KOREA
2.48
126 MALAYSIA
2.36
80 PARAGUAY
2.00
60 LAOS
1.94
24 COSTA RICA
1.84
106 UNITED STATES
1.69
111 SOUTH VIETNAM
1.59
79 PANAMA
1.48
97 THAILAND
1.47
58 NORTH KOREA
1.40
96 SYRIA
1.34

63 LIBYA

1.28

104 U.A.R.

1.27

57 JORDAN

1.25

61 LEBANON

1.25

125 GUYANA

1.05

73 NEW ZEALAND

1.04

52 ISRAEL

1.03

50 IRAQ

.92

56 JAPAN

.91

109 VENEZUELA

.88

13 CAMBODIA

.83

44 HONDURAS

.80

110 NORTH VIETNAM

.70

42 GUINEA

.67

4 ARGENTINA

.60

2 ALBANIA

.55

25 CUBA

.53

32 EL SALVADOR

.53

77 NORWAY

.53

21 COLOMBIA

.52

12 BURUNDI

.51

34 FINLAND

.50

67 MAURITANIA

.49

74 NICARAGUA

.49

116 KUWAIT

.48

81 PERU

.48

68 MEXICO

.46

31 ECUADOR

.41

49 IRAN

.36

108 URUGUAY

.36

124 SINGAPORE

.31

19 CHILE

.28

41 GUATEMALA

.23

112 YEMEN

.22

93 SUDAN

.22

9 BRAZIL

.21

94 SWEDEN

.19

78 PAKISTAN

.16

29 DENMARK

.16

95 SWITZERLAND

.14

20 CHINA, PR

.12

71 NEPAL

.11

85 ROMANIA

.08

45 HUNGARY

.06

87 SAUDI ARABIA

.05

47 INDIA

.05

26 CYPRUS

.01

100 TUNISIA

.00

THEY TEND TO HAVE THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE

LONG NATIONAL INDEPENDENCE

MANY MILITARY PERSONNEL PER CAPITA

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 9

05 SMALL POPULATION GROWTH RATE, ABOVE
.81
14 HIGH PER CAPITA SCHOOL ENROLLMENT, BELOW
-.74

THESE I'S ARE:

113 YUGOSLAVIA
-.04
101 TURKEY
-.14
75 NIGERIA
-.16
91 SOUTH AFRICA
-.16
69 MONGOLIA
-.22
15 CANADA
-.22
11 BURMA
-.23
28 DAHOMEY
-.24
7 BELGIUM
-.26

39 GHANA

-.26

35 FRANCE

-.27

120 TANZANIA

-.28

27 CZECHOSLOVAKIA

-.30

6 AUSTRIA

-.34

103 U.S.S.R

-.34

38 WEST GERMANY

-.34

3 ALGERIA

-.43

17 CEYLON

-.44

53 ITALY

-.45

10 BULGARIA

-.47

16 CENTRAL AFRICAN RE

-.50

92 SPAIN

-.52

122 KENYA

-.61

30 DOMINICAN REPUBLIC

-.63

8 BOLIVIA

-.67

36 GABON

-.68

98 TOGO

-.72

43 HAITI

-.73

102 UGANDA

-.75

40 GREECE

-.78

48 INDONESIA

-.79

18 CHAD

-.83

82 PHILIPPINES

-.85

83 POLAND

-.88

22 CONGO (BRA)

-.97

72 NETHERLANDS
-.93
54 IVORY COAST
-.94
115 GAMBIA
-1.12
99 TRINIDAD
-1.13
89 SIERRA LEONE
-1.14
55 JAMAICA
-1.15
119 MALTA
-1.15
84 PORTUGAL
-1.26
105 UNITED KINGDOM
-1.28
118 MALAWI
-1.49
121 ZAMBIA
-1.50
51 IRELAND
-1.51
5 AUSTRALIA
-1.55

33 ETHIOPIA

-1.66

90 SOMALIA

-2.01

70 MOROCCO

-2.02

37 EAST GERMANY

-2.51

23 CONGO (LEO)

-3.03

THEY TEND TO HAVE THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE

RECENT NATIONAL INDEPENDENCE

FEW MILITARY PERSONNEL PER CAPITA